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Prepared by

P. V. Ramachandramurty
Department of Mathematics
Case Institute of Technology

PREFACE

This index has been prepared so that the many applied statisticians and mathematicians, engineers, physical and chemical scientists can make use of the fund of knowledge provided in the first seven years of publication of TECHNOMETRICS. This publication which was launched in 1959 by Dr. J. S. Hunter has presented new statistical techniques, applications of these to new environments and expository papers on some of these methods.

The preparation and printing of this index was made possible by a grant from the Chemical Division of The American Society for Quality Control. We are indebted to the Chemical Division for its continual support of TECHNOMETRICS and to the executive office of The American Statistical Association for its guidance, support and work on behalf of TECHNOMETRICS.

The index is divided into three parts: author index, subject index, and book review index. The subject index, especially, requires the intelligent cooperation of the reader. The reader should note that neither the main titles nor the subtitles are mutually exclusive and should be clear in his mind as to what he is seeking. For example, many papers can be thought of as belonging to mathematics, but the reader should not expect to find papers under this title. The explanation of the indices appears before each index.

I would like to take this opportunity to thank Mrs. Margaret Laczko, Mrs. Marie Fuller, and Miss Judith Yount for their excellent cooperation and their very efficient organization, without which I could not have done this work in such a short time. Finally, I thank Dr. Fred C. Leone for the active interest he took in this work and for his many helpful suggestions during the preparation of the index.

P. V. Ramachandramurty

AUTHOR INDEX

This index is according to the alphabetical order of the main author. For each author the papers with sole authorship come first and the rest are arranged according to the alphabetical order of the joint author. The number on the left is the serial number of the indexing, and the numbers on the right are the volume number and the page numbers in this order.

Errata and letters to the Editor related to an article above are listed with the original article, under that articles number, followed by an "a", "b", etc. No author designations are given for the errata. Articles which cite another article are called "forward references" of the latter article. The numbers following a title in the author index correspond to the forward references of that article.

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B79 Neyman, Jerzy: Proceedings of the Fourth Berkeley Symposium on Mathematical Statistics and Probability, Volume III (1961) [M. S. Bartlett] 5: 279–280

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B96 United States Department of Defense, Office of the Assistant Secretary: Inspection and Quality Control Handbook (Interim) H (Series) 106, "Multi-Level Continuous Sampling Procedures and Tables for Inspection by Attributes" (October, 1958) [H. F. Dodge] 2: 518–520

B97 ———: Quality Control and Reliability Handbook (Interim) H (Series) 108, "Sampling Procedures and Tables for Life and Reliability Testing (Based on Exponential Distribution)" (April, 1960) [G. A. Dodson] 4: 143

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B99 ———: (Installations and Logistics) Sampling Procedures and Tables for Life and Reliability Testing Based on the Weibull Distribution, Tech. Rep. No. 6, (February, 1963) [Benjamin Epstein] 6: 229–230

B100 University of California Press: Proceedings of the Fourth Berkeley Symposium on Mathematical Statistics and Probability, Volume IV. Contributions to Biology and Problems of Medicine (1961) [David W. Alling] 5: 281

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